ARM/HVEM/COMPUTING FACILITY DATA SHEET

Microscopists must show evidence of expertise in submitted micrographs. Please indicate nature of training and familiarity with instrumentation where appropriate.

Check resources needed:

ARM

1) Is the microscopist comfortable in high resolution microscopy? ☐ Yes ☐ No
2) Is the microscopist to be trained to operate the ARM? ☐ Yes ☐ No
3) Will you need the NCEM to provide an operator to run the ARM for you? ☐ Yes ☐ No
4) What electron microscopy classes has the microscopist on this proposal had?

_____

_____

HVEM (No microscopist is availabe to run the HVEM)

☐ Standard Double-Tilt Holder
☐ Double-Tilt Hot Stage: (1000^{o}C max) Temp:_____
☐ Cold Stage Temp:_____
☐ Double-Tilt Straining Stage
☐ Single-Tilt Heating/ Straining Stage (650^{o}C max):_____
☐ E-Cell
Gas:_____
Pressure:_____
☐ Standard Double-Tilt Holder
☐ Single-Tilt Hot Stage Temperature:_____

COMPUTING FACILITY

☐ Image Simulation or ☐ Image Processing

Image Simulation

Have you used:
NCEMSS_____ MacTempas_____ SHRLI_____ EMS_____ Other_____

How many models to simulate?_____

Can you supply model (atom positions)?_____

Can you supply imaging conditions? (defocus, thickness,...) _____

Image Processing

Have you used:
SEMPER_____ Image_____ Prism_____ Other_____
How many areas to digitize?_____

Is your specimen: Small particles____ Beam damaged_____ Other_____

What information do you hope to extract?_____

_____

Input

Prints_____
Negatives_____

(If possible, bring original negatives)

Model on 3 1/2"floppy_____
Model on 5 1/4"floppy_____

Output

Will you require output to:
Matrix camera (35 mm film)_____
Laser printer (8 1/2" x 11" paper)_____
3 1/2"floppy_____
5 1/4" floppy_____
Syquest disk_____
Exabyte tape_____
TK50 tape_____
9-track tape_____
Other_____